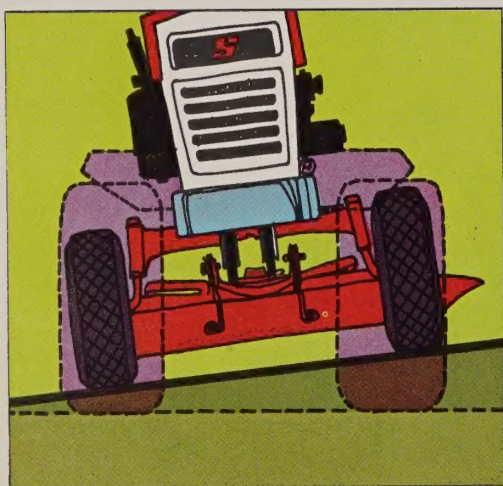


Simplicity

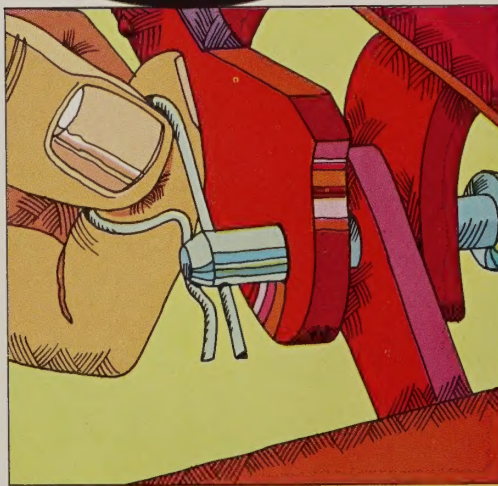
**8 hp., 7 hp. and 5 hp. tractors
5 hp. riding mower**





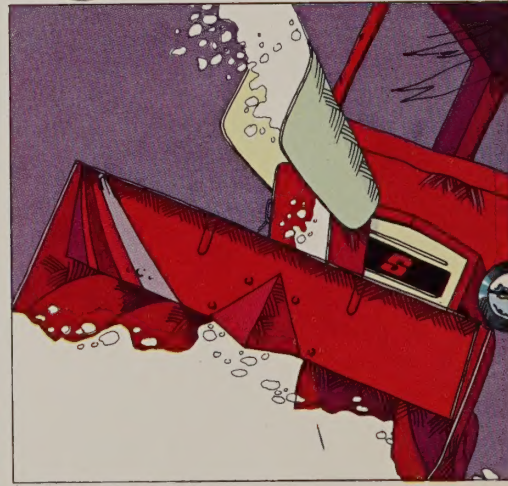
Patented Mower Mounting Gives Your Lawn a Smooth Even Cut

Our mower attaches to the tractor front axle. The tractor front wheels automatically tilt the mower to match the terrain. A free-float pivot and short mower wheel base follow rolling contours. Wide rollers support the rear of the mower, and average out lawn irregularities.



Change Attachments In Seconds Without Tools

All Simplicity attachments hook up with a simple pin and spring clip. You spend your time on the tractor working on the lawn. Not on the lawn working on the tractor. Cushioning V-belt feeds engine power directly to mower, snow thrower, tiller or revitalizer.



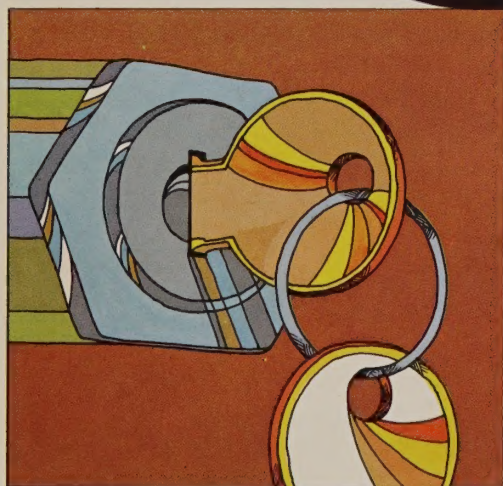
Attachments Keep Your Simplicity Working All Year Around

Snow throwers, dozer blades, dump carts, vacuum collectors, lawn revitalizers...and many more. Simplicity makes the attachments you need. They are designed to give you the best possible performance from your machine...all year long, year after year.

Big tractor features take the toil out of the toughest yard and garden chores.

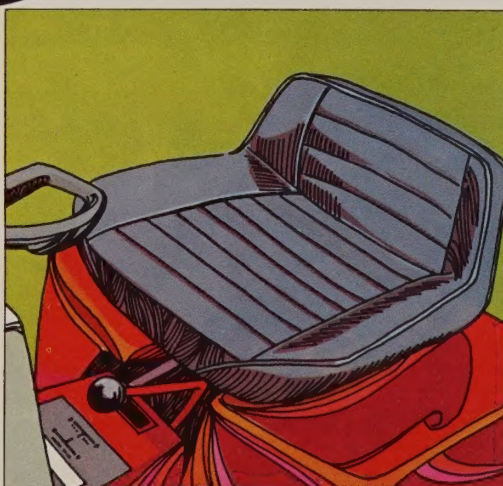


Units shown in this brochure include optional accessories and attachments. For details, see specifications.



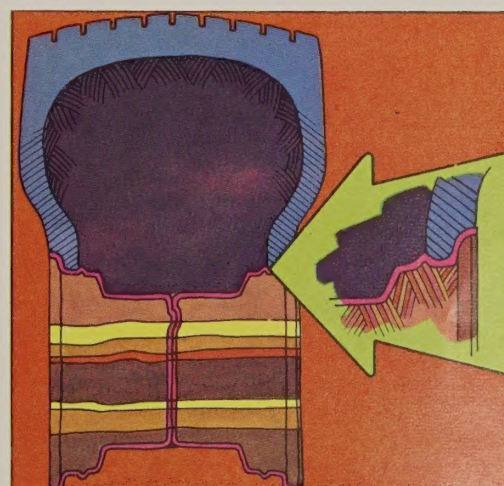
Start Your Simplicity Like You Start Your Car.

Electric start models get you going with the turn of a key. Even in sub-zero weather. Teamed with powerful, high-capacity battery and fully regulated charging on 7 and 8 hp. models. With 110 V trickle charger on Serf. With an alternator on electric start Wonder Boy.



Every Simplicity Designed for Your Comfort

Padded contour seats adjust to adult operator. Muffler located up front. Cooling fan blows heat away from driver. Hot exhaust is deflected away from him. Clearly marked controls are located within easy reach. For safety, belts, drives and moving parts are enclosed.



Special Wheel Design Locks Tires In Place

This unique feature permits you to enjoy the soft cushioned ride of low pressure tubeless tires without the problem of the tire dislodging at the bead. This means you get a sure comfortable ride ... on the hills, while rounding corners, even over rough ground.



8 hp. Broadmoor® with a standard electric starter generator gets you going in a hurry. With a 36" rotary mower to get the job done fast. Teams up with many work-saving attachments . . . keeps right on performing for you all year round. Synchro-balanced engine runs smoothly all day long. Terra-tread tires with the extra wide face fairly float over your lawn.



7 hp. Yeoman® . . . the little giant. With features and versatility like the big tractors. Works for you season-in and season-out with a wide range of attachments and accessories. Attachments positioned by conveniently located lift lever. Rotary mower trims 32" at a pass . . . up to 1.2 acres per hour . . . crosses a 40% slope with optional wheel weights. Power take-off lever positioned for added convenience. Electric start or Easy-spin recoil starting models.

Spunky Serf® . . . compact, tough. Built to get in and around the spots too small for an ordinary tractor. Works with all-season attachments and a variety of accessories. Like all Simplicity tractors, Serf features Touch-O-Matic clutching for foot controlled inching and an all-gear transmission with three gears forward and one in reverse. Choice of electric start or Easy-spin recoil starting.

5 hp.

Simplicity's riding mower with 26" cut. Manual or Electric start. Patented non-scalp mower mounted to the front axle, automatically adjusts to lawn contours . . . gives a smooth even cut. Mower height adjustments are made with a single, easy-turning knob. Touch-O-Matic clutching permits foot controlled inching. Briggs & Stratton engine kicks over with an Easy-Spin recoil or electric starter. Optional attachments: 4 cu. ft. or 10 cu. ft. dump carts, 36" lawn roller. Optional

Wonder Boy

accessories: Hub caps, wheel weights, storage cover, customer tool kit.



**Your life is
complicated enough.
We offer**

Simplicity[®]

Right from the very beginning... tractors, attachments, accessories... every part of every product is designed as a hardworking member of a hardworking team. That means nothing is ever added on to any Simplicity tractor. It's all designed-in. That's the beginning of the Simplicity philosophy... the Simplicity plan.

And keeping everything as simple as possible is part of that plan. That's why we never use a complex set of mechanisms when a single part will do the same job. And fewer working parts mean less to wear out. Less to repair.

Less time and money to keep your tractor working for you.

That's why so many Simplicity owners keep their machines so long. Why they get more out of their machines while they're using them... more out of them when they trade them in.

That's why they almost always buy another Simplicity. If you're a tractor owner now think about Simplicity... the machine people trade up to. If you've never owned a tractor before, think about buying right the first time.



Specifications

5 hp

Serf 535

Mfrs. No. 776 manual start & Mfrs. No. 777 include 28" mower

7 hp

Yeoman 637

Mfrs. No. 778 manual start & Mfrs. No. 779 electric start include 32" mower

8 hp

Broadmoor 728

Mfrs. No. 780 electric start includes 36" mower

5 hp

Wonder Boy 315

Mfrs. No. 774 manual start & Mfrs. No. 775 electric start include 26" mower

Engine

Type	Briggs & Stratton, 4-cycle, single cylinder, air cooled Kool Bore construction (all models)			
Model No.	13092 Manual	170702 Manual	191701 Electric	103202 Manual
	130905 Electric	170707 Electric		130207 Electric
Horsepower	5	7	8	5
Displacement	12.57 cu in	16.79 cu in	19.44 cu in	12.57 cu in
Crankshaft Plane	Vertical	Vertical	Vertical	Horizontal
Governor	Type: Adjustable, mechanical type running in oil (all models)			
	Range: 2200-4000 rpm	1300-4000 rpm	1450-3600 rpm	1750-4000 rpm
Lubrication	Type: Gear impeller system	Gear impeller system	Gear impeller system	Splash type
	Capacity: 1 3/4 pints	2 1/4 pints	2 1/4 pints	1 1/4 pints
Starting	Manual: Easy-Spin rewind	Easy-Spin rewind	Electric only	Easy-Spin rewind
	Electric: Bendix-type (optional)	Bendix-type (optional)	Starter/generator	Bendix type starter
	Battery: 12-volt, 18 ampere-hour	12-volt, 18 ampere-hour	12-volt, 32 ampere-hour	12-volt, 9 ampere-hour
Ignition	High voltage magneto with dustproof breaker enclosure (all models)			
Charging	110-volt, 100 milli-ampere trickle charger	3 & 5 ampere flywheel alternators	Starter/generator with 2-unit voltage regulator	1 1/2 ampere alternator
Air Cleaner	Sealed joint between housing and reusable oiled polyurethane element (all models)			
Muffler	Quiet, compact, low back pressure (all models)			
Fuel Capacity	2 quarts	1 gallon	1 gallon	3 quarts

Transmission

Gears, Sliding Spur	Carburized and hardened	Carburized and hardened	Carburized and hardened	Carburized and hardened
Bearings	Sintered iron	Needle type roller	Needle type roller	Sintered iron
Housing	Cast iron	Cast iron	Cast iron	Heavy Gage steel
Speed at 3600 rpm				
	1st: Up to 0.9 mph	Up to 1.0 mph	Up to 1.1 mph	Up to 2.4 mph
	2nd: Up to 2.3 mph	Up to 2.5 mph	Up to 2.4 mph	Up to 3.1 mph
	3rd: Up to 3.5 mph	Up to 3.9 mph	Up to 3.8 mph	
	Reverse: Up to 3.5 mph	Up to 3.9 mph	Up to 3.8 mph	Up to 2.4 mph
Differential	All gear, automatically controlled traction type (tractor models).			All Gear
Brake/Clutch	All on one pedal. Soft action, Touch-O-Matic® V-belt clutch and external band type			brake (all models).
Parking Brake	Clamp type	Cam operated type, controlled independently from foot pedal (7 & 8 hp models).		None

Dimensions

Length	51 1/2"	53 1/2"	58 1/4"	58"
Width without Mower	28 1/2"	30"	32"	28 1/4"
Overall Height	32"	33"	34 3/4"	36 1/4"
Wheel Base	37 1/16"	36 1/2"	41 1/2"	41 1/2"
Tread, Rear	21 1/2"	21 1/2"	22 1/4"	21"
Turning Radius (Inside radius of rear tire)	20"	21"	22"	23"

Tractor

Tires				
Front	4.10 x 3.50 x 4	4.10 x 3.5 x 6	5.30 x 4.50 x 6	4.10 x 3.50 x 4
Inflation pressure	(12-15 psi)	(12-15 psi)	(12-15 psi)	(22-25 psi)
Rear	16 x 6.50 x 8	16 x 7.50 x 8	18 x 9.50 x 8	4.80 x 4.00 x 8
Inflation pressure	(6-8 psi)	(6-8 psi)	(6-8 psi)	(10 psi)
Frame Construction	Inverted channel, electrically welded, heavy gage steel. (5 hp, 7 hp & 8 hp models)			Heavy gage steel.
Steering	Steering wheel and link. 1-to-1 ratio	Steering wheel and geared sector. 3.0-to-1 ratio	Steering wheel and geared sector. 3.0-to-1 ratio	Steering wheel and link. 1-to-1 ratio
Front Axle	Welded to frame. Pivot at transmission connection (all models)			
Slope Stability (Maximum grade at slowest speed)	20% uphill and sidehill slope without rear wheel weights, tractors and rider (all models). 40% uphill and sidehill for tractors (30% for Wonder Boy) with rear wheel weights.			
Ground Clearance (minimum under differential)	3"	3"	4 3/4"	2 3/4"
Attachment Mounting	Attachments mount to and tilt with front axle. Connect with two pins and spring clips (all models).			
Front and Center	Drawbar standard. Rear hitches furnished with attachments (5, 7 & 8 hp. models).			
Rear	Drawbar standard			
Manual Lift Lever	Optional	Standard	Standard	Not Available

Net Weight (Tractor only)

Electric	248 lb	288 lb	336 lb	Not sold as tractor only
Manual	228 lb	268 lb	—	Not sold as tractor only
Tractor and Mower				
Electric	309 lb	368 lb	423 lb	255 lb
Manual	287 lb	348 lb	—	245 lb



Rotary Snow Throwers take on deep snow, wet snow, ice or hardpacked snow.

High speed, solid flight welded auger. No pins to shear . . . no pins to replace. Cushioning Dacron cord belt protects auger. Freeze-proof control lets you position chute while you're working . . . rotates 260 degrees. Lets you throw most snow wherever you want . . . up to 30 feet. Auger housing design and large discharge chute minimize clogging. Adjustable skid shoes clear snow right down to smooth surface or skim snow from gravel surfaces. Pressure on lift lever keeps scraper from riding over snow. All controls are located right at the tractor operating station. Two rear wheel weights plus rear weight and two auxiliary weights and tire chains are recommended for all models. Lift lever kit required on Serf 535.

Snow Cab protects operator against wind and chill . . . and flying snow while using snow thrower or snow plow.



Rotary Tiller and Tine Extensions prepare ideal seed bed.

Cut through sod or previously worked soil to give you just the right clod size, without destroying humus. Tilling action is determined by ground speed and engine speed . . . depth is controlled by manual lift. Removable tines can be spaced to suit plant rows. Two rear wheel weights and a front weight are recommended. Tiller not available for Serf 535.



Snow Plow and Dozer Blades.

Clear medium depth snow quickly and efficiently. Blade tilts with the front axle to work on either sloping or level surfaces. Adjustable skid shoes support blade to skim snow from gravel or completely clean hard surfaces. Two rear wheel weights plus rear weight and two auxiliary weights and tire chains are recommended for all models. Lift lever kit is required on Serf 535. (Shown on 10 hp model).



Vacuum Collector with optional roving nozzle lets you mow, vacuum and mulch ... all at the same time.

Air lift of the mower blades and powerful auxiliary fan get together to clean full width of mower. Chops up collected materials ... reduces bulk to make it easier to handle. Nozzle cleans under bushes and in window wells. Collector goes anywhere the tractor can. (Not available for Serf 535 or Wonder Boy.) Vacuum collector adapter required. Dump cart and dump cart cover also required. See Specification page — Dump cart (Mfrs. No. 085).



Lawn Revitalizer removes thatch and aerates lawns ... prepares ideal seed bed for reseeding.

Combination dethatcher and aerator conditions lawn against disease and fungus. Gives plants room to breathe. Helps them obtain more water. Removes excess roots and stimulates grass growth by making water and fertilizer work more effectively. Groove depth is easy to adjust ... prevents harm to good grass. Use to make cross hatch groove pattern for reseeding. Provides ideal seed bed. Holds new seeds while they germinate. Lift lever kit required on the Serf 535 tractor.



Dump Cart with patented dumping feature.

10 cubic feet capacity heaped. Cart hauls up to 1000 pounds. Can be completely inverted without unhitching. Reinforced 16 gage steel body makes the cart last as long as the tractor. Removable tail gate. Optional high or low profile covers are available for use with vacuum collector. 400 lb. capacity dump cart also available.



Optional Attachments and Accessory Specifications

Rotary Mowers

	(for Serf 535) Mfrs. No. 599	(for Yeoman 637) Mfrs. No. 417	(for Broadmoor 728) Mfrs. No. 422	(for Wonder Boy 315) (not available separately)
Effective Cutting Width	28"	32"	36"	26"
Acres per hour	Up to 1.0	Up to 1.2	Up to 1.4	Up to .8
Dimensions: length	25"	23½"	25"	28"
width	34"	35⅞"	40"	29½"
depth	6"	6"	6"	4¼"
Deck Height Above Blade	4¾"	4¾"	4¾"	2½"-3⅞"
Cutting Height	Continuously variable between 1⅞" and 3⅞" (all models)			1¾"-3¾"
Blade Arrangement	Two staggered over-lapping blades.	Three staggered over-lapping blades.	Three staggered over-lapping blades.	Single Blade
Mower Input Drive	V-belt	V-belt	V-belt	V-belt
Spindle Bearings	Sealed rolling contact	Sealed rolling contact	Sealed rolling contact	Sealed rolling contact

Vacuum Collector (Mfrs. No. 506) for 8 and 7 hp

Drive	4 hp Briggs & Stratton horizontal crankshaft engine
Impeller Diameter	12¾"
Bearings	Impeller is mounted on engine crankshaft

Dump Cart (Mfrs. No. 085) for 8, 7, and 5 hp and Cart Covers. 400 lb Capacity Dump Cart (Mfrs. No. 625) also available

	Uncovered	High Profile Cover Mfg. No. 531	Low Profile Cover Mfg. No. 624
Capacity	1000 lbs (dirt)	450 lbs (leaves)	147 lbs (leaves)
Volume	10 cu ft heaped 7 cu ft struck	26 bushels	8½ bushels
Overall Dimensions (cart only)	63" long 36" wide 24" high	63" long 36" wide 56" high	63" long 36" wide 36" high
Tractor and Cart Length	8 hp—118¾", 7 hp—113½", 5 hp—111¾"		
Tractor Vacuum Collector and Cart	8 hp—139¼", 7 hp—134", 5 hp—N.A.		
Box Dimensions	39" long x 26" wide x 12" deep		
Tires	4.80 x 4.00 x 8 pneumatic		

Lawn Revitalizer (Mfrs. No. 629) for 8, 7, and 5 hp

Effective Width	26"
Knives	10 hardened steel self sharpening knives spaced 3" apart
Depth Range	Continuously variable 0 to 1¼"
Mounting	Free pivot at tractor, gage wheels at lowest point of cut
Drive	Driven by tractor PTO with cushioning V-belt and prelubricated roller chain

Lawn Roller (Mfrs. No. 227) for 8, 7, and 5 hp

Effective Width	36"
Water Capacity	40.2 gallons
Dimensions	51" long, 18" high, 44" wide
Rolling diameter	18"

Rotary Tiller (Mfrs. No. 628) for 8 and 7 hp

Effective Width	30"
Tilling Depth	Up to 8"
Power Source	V-belt idler driven by tractor rear PTO
Final Drive	Prelubricated and enclosed roller chains driven by hardened sprockets
Bearings	Prelubricated and sealed rolling contact bearings

Single stage rotary snow thrower—32" (Mfrs. No. 562) for 8 and 7 hp 27" (Mfrs. No. 476) for 5 hp

Effective Width	32"	27"
Overall Width	33½"	28⅝"
Auger Diameter	14"	14"
Length with Tractor	8 hp—79½", 7 hp—73½", 5 hp—73½"	
Auger Drive	Input Drive—cushioning V-belt. Final Drive—enclosed roller chain. Clutch—V-belt idler. Bearings—prelubricated and sealed self-aligning rolling contact.	
Housing	Welded steel.	
Drive Train Bearings	Prelubricated and sealed rolling contact.	

Snow plow and dozer blade—42" (Mfrs. No. 299) for 8, 7 and 5 hp Serf 535.

Effective Width	42" straight. 36½" full angled.
Angling Positions	0 and 30° each direction.
Angle Change Control	At hitch.
Blade, steel	Height: 15¼"
Scrapper	Clearance when raised: 5½"
	High carbon steel

Grader Blade (Mfrs. No. 298) for 8, 7, and 5 hp Center Mounted.

Effective Width 40" straight. 35" fully angled. Angling positions 3 — straight & 30° either side. Angle change control at hitch. Blade ½" thick high carbon steel 8" high.

Miscellaneous

Front Light Kit (Mfrs. No. 684) for 8 and 7 hp with factory installed electric start.

Hub Caps—Set of 4 (Mfrs. No. 462) for 8 and 7 hp. (Mfrs. No. 566) for 5 hp.

Rear Wheel Weight (Mfrs. No. 449) for 8, 7, and 5. Substantially improves traction and increase side hill stability.

Front Weight (Mfrs. No. 466) for 8, 7 and 5 hp. Improves steering control on slippery surfaces and uphill stability.

Rear Weight (Mfrs. No. 300) for 8, 7, and 5 hp. Supports No. 045. Auxiliary Weights. Substantially increases traction.

Auxiliary Weight (Mfrs. No. 045) for 8, 7, and 5 hp. Requires Mfrs. No. 300 weight; adds to traction.

Lift lever kit (Mfrs. No. 594) for 5 hp. Serf 535. Required with snow plow-dozer blade, snow thrower, grader blade, and lawn revitalizer.

Snow Cab (Mfrs. No. 674) for 8 hp. (Mfrs. No. 682) for 7 and 5 hp Serf 535.

Tire Chains* (Mfrs. No. 301) for 8 hp, (Mfrs. No. 693) for 7 hp, (Mfrs. No. 341) for 5 hp.

Storage Covers. Available for 8 hp, 7 hp and 5 hp tractors.

Customer Tool Kit (Mfrs. No. 632).

Hour Meter (Mfrs. No. 736) 8 hp only.

*NOTE: Use with caution on black top surfaces.



Simplicity®

SIMPLICITY MANUFACTURING COMPANY, INC.
Port Washington, Wisconsin 53074, U.S.A.



This label indicates that a model of this mower was tested by an independent laboratory and complied with safety specifications published by the American National Standards Institute.

All Simplicity mowers shown in this brochure comply with these requirements and carry the OPEI Emblem.

Simplicity Play Barn. To see how easily you can get this attractive little red barn (6 feet high), contact your local Simplicity dealer.

See the full line of Simplicity equipment at:

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